Art Unit 1635

Examiner SHIN, DANA H

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		Information Disclosure Statement
		NON PATENT LITERATURE DOCUMENTS
Examiner		
Initials	Cite No	Authors, Title, Journal, Date, Year, Pages, Volume
	20	LEE, R. C., R. L. FEINBAUM and V. AMBROS. The C. elegans heterochronic gene lin-4 encodes small
		RNAs with antisense complementarity to lin-14 Cell Dec 3 1993 843-854 75
	30	WIGHTMAN, B., I. HA and G. RUVKUN. Posttranscriptional regulation of the heterochronic gene lin-14 by lin-4 mediates temporal pattern formation in C. elegans Cell Dec 3 1993 855-862 75
		by in 4 mediates temporal pattern formation in 0. diegans Och Bee 0 1999 000 002 70
	40	GALLINARO, H., L. DOMENJOUD and M. JACOB. Structural study of the 5' end of a synthetic
		premessenger RNA from adenovirus. Evidence for a long-range exon-intron interaction J Mol Biol Jul 15 1994 205-225 240
	50	LU, C. and R. BABLANIAN. Characterization of small nontranslated polyadenylylated RNAs in vaccinia
		virus-infected cells Proc Natl Acad Sci U S A Mar 5 1996 2037-2042 93
	60	CRAWFORD, E. D., E. P. DEANTONI, R. ETZIONI, V. C. SCHAEFER, R. M. OLSON and C. A. ROSS.
		Serum prostate-specific antigen and digital rectal examination for early detection of prostate cancer in a
		national community-based program. The Prostate Cancer Education Council Urology Jun 1996 863-869 47
	70	Engdahl HM, Hjalt TA, Wagner EG. A two unit antisense RNA cassette test system for silencing of target genes. Nucleic Acids Res. Aug 15 1997 3218-27 25
	80	SMITH, D. S., P. A. HUMPHREY and W. J. CATALONA. The early detection of prostate carcinoma with
	00	prostate specific antigen: the Washington University experience Cancer Nov 1 1997 1852-1856 80
	90	DSOUZA, M., N. LARSEN and R. OVERBEEK. Searching for patterns in genomic data Trends Genet
		Dec 1997 497-498 13
	100	MOSS, E. G., R. C. LEE and V. AMBROS. The cold shock domain protein LIN-28 controls
		developmental timing in C. elegans and is regulated by the lin-4 RNA Cell 1997 637 88
	110	FIRE, A., S. XU, M. K. MONTGOMERY, S. A. KOSTAS, S. E. DRIVER and C. C. MELLO. Potent and
		specific genetic interference by double-stranded RNA in Caenorhabditis elegans Nature Feb 19 1998
	120	806-811 391 WATERHOUSE, P. M., M. W. GRAHAM and M. B. WANG. Virus resistance and gene silencing in
	120	plants can be induced by simultaneous expression of sense and antisense RNA Proc Natl Acad Sci U S
		A Nov 10 1998 13959-13964 95
	130	NGO, H., C. TSCHUDI, K. GULL and E. ULLU. Double-stranded RNA induces mRNA degradation in
	100	Trypanosoma brucei Proc Natl Acad Sci U S A Dec 8 1998 14687-14692 95
	140	VERMA, S. and F. ECKSTEIN. Modified oligonucleotides: synthesis and strategy for users. Annu Rev.
		Biochem ***No date in Pubmed*** 1998 99-134 67
	150	WUCHTY, S., W. FONTANA, I. L. HOFACKER and P. SCHUSTER. Complete suboptimal folding of
		RNA and the stability of secondary structures Biopolymers Feb 1999 145-165 49
	160	MATHEWS, D. H., J. SABINA, M. ZUKER and D. H. TURNER. Expanded sequence dependence of
		thermodynamic parameters improves prediction of RNA secondary structure J Mol Biol May 21 1999
		911-940 288
	170	CHANG, P. L. Encapsulation for somatic gene therapy Ann N Y Acad Sci Jun 18 1999 146-158 875
	180	ZHANG, M. Q. Large-scale gene expression data analysis: a new challenge to computational biologists
		Genome Res Aug 1999 681-688 9
	190	GRISARU, D., M. STERNFELD, A. ELDOR, D. GLICK and H. SOREQ. Structural roles of
		acetylcholinesterase variants in biology and pathology Eur J Biochem Sep 1999 672-686 264
	200	FIRE, A. RNA-triggered gene silencing Trends Genet Sep 1999 358-363 15

Examiner Signature:	Date Considered:	

Art Unit 1635

Examiner SHIN, DANA H

Docket Number 050992.0300.CPUS10

		Information Disclosure Statement
		NON PATENT LITERATURE DOCUMENTS
Examiner		
Initials	Cite No	Authors, Title, Journal, Date, Year, Pages, Volume
	210	TABARA, H., M. SARKISSIAN, W. G. KELLY, J. FLEENOR, A. GRISHOK, L. TIMMONS, A. FIRE and
		C. C. MELLO. The rde-1 gene, RNA interference, and transposon silencing in C. elegans Cell Oct 15
		1999 123-132 99
	220	RYO, A., Y. SUZUKI, K. ICHIYAMA, T. WAKATSUKI, N. KONDOH, A. HADA, M. YAMAMOTO and N.
		YAMAMOTO. Serial analysis of gene expression in HIV-1-infected T cell lines FEBS Lett Nov 26
		1999 182-186 462
	230	OLSEN, P. H. and V. AMBROS. The lin-4 regulatory RNA controls developmental timing in
		Caenorhabditis elegans by blocking LIN-14 protein synthesis after the initiation of translation Dev Biol
		Dec 15 1999 671-680 216
	240	TUSCHL, T., P. D. ZAMORE, R. LEHMANN, D. P. BARTEL and P. A. SHARP. Targeted mRNA
		degradation by double-stranded RNA in vitro Genes Dev Dec 15 1999 3191-3197 13
	260	REINHART, B. J., F. J. SLACK, M. BASSON, A. E. PASQUINELLI, J. C. BETTINGER, A. E. ROUGVIE,
		H. R. HORVITZ and G. RUVKUN. The 21-nucleotide let-7 RNA regulates developmental timing in
		Caenorhabditis elegans Nature Feb 24 2000 901-906 403
	270	PITT, J. N., J. A. SCHISA and J. R. PRIESS. P granules in the germ cells of Caenorhabditis elegans
		adults are associated with clusters of nuclear pores and contain RNA Dev Biol Mar 15 2000 315-333
		219
	280	HAMMOND, S. M., E. BERNSTEIN, D. BEACH and G. J. HANNON. An RNA-directed nuclease
		mediates post-transcriptional gene silencing in Drosophila cells Nature Mar 16 2000 293-296 404
	300	SLACK, F. J., M. BASSON, Z. LIU, V. AMBROS, H. R. HORVITZ and G. RUVKUN. The lin-41 RBCC
		gene acts in the C. elegans heterochronic pathway between the let-7 regulatory RNA and the LIN-29
		transcription factor Mol Cell Apr 2000 659-669 5
	310	FORTIER, E. and J. M. BELOTE. Temperature-dependent gene silencing by an expressed inverted
		repeat in Drosophila Genesis Apr 2000 240-244 26
	320	MOURRAIN, P., C. BECLIN, T. ELMAYAN, F. FEUERBACH, C. GODON, J. B. MOREL, D. JOUETTE,
		A. M. LACOMBE, S. NIKIC, N. PICAULT, K. REMOUE, M. SANIAL, T. A. VO and H. VAUCHERET.
		Arabidopsis SGS2 and SGS3 genes are required for posttranscriptional gene silencing and natural virus
		resistance Cell May 26 2000 533-542 101
	330	SIJEN, T. and J. M. KOOTER. Post-transcriptional gene-silencing: RNAs on the attack or on the
		defense? Bioessays Jun 2000 520-531 22
	340	BRENNER, S., M. JOHNSON, J. BRIDGHAM, G. GOLDA, D. H. LLOYD, D. JOHNSON, S. LUO, S.
		MCCURDY, M. FOY, M. EWAN, R. ROTH, D. GEORGE, S. ELETR, G. ALBRECHT, E. VERMAAS, S.
		R. WILLIAMS, K. MOON, T. BURCHAM, M. PALLAS, R. B. DUBRIDGE, J. KIRCHNER, K. FEARON, J.
		MAO and K. CORCORAN. Gene expression analysis by massively parallel signature sequencing
		(MPSS) on microbead arrays Nat Biotechnol Jun 2000 630-634 18
	350	RYO, A., Y. SUZUKI, M. ARAI, N. KONDOH, T. WAKATSUKI, A. HADA, M. SHUDA, K. TANAKA, C.
		SATO, M. YAMAMOTO and N. YAMAMOTO. Identification and characterization of differentially
		expressed mRNAs in HIV type 1-infected human T cells AIDS Res Hum Retroviruses Jul 1 2000 995
		1005 16
	360	NILSSON, M., G. BARBANY, D. O. ANTSON, K. GERTOW and U. LANDEGREN. Enhanced detection
		and distinction of RNA by enzymatic probe ligation Nat Biotechnol Jul 2000 791-793 18
		WENT W. L. LA M. ZAULED. O
	370	KENT, W. J. and A. M. ZAHLER. Conservation, regulation, synteny, and introns in a large-scale C.
	000	briggsae-C. elegans genomic alignment Genome Res Aug 2000 1115-1125 10
	380	KENNERDELL, J. R. and R. W. CARTHEW. Heritable gene silencing in Drosophila using double-
		stranded RNA Nat Biotechnol Aug 2000 896-898 18

Art Unit 1635

Examiner SHIN, DANA H

Docket Number 050992.0300.CPUS10

Information Disclosure Statement		
		NON PATENT LITERATURE DOCUMENTS
Examiner		
Initials	Cite No	Authors, Title, Journal, Date, Year, Pages, Volume
	390	SMITH, N. A., S. P. SINGH, M. B. WANG, P. A. STOUTJESDIJK, A. G. GREEN and P. M.
		WATERHOUSE. Total silencing by intron-spliced hairpin RNAs Nature Sep 21 2000 319-320 407
	410	VOINNET, O., C. LEDERER and D. C. BAULCOMBE. A viral movement protein prevents spread of the
		gene silencing signal in Nicotiana benthamiana Cell Sep 29 2000 157-167 103
	420	Mette MF, Aufsatz W, van der Winden J, Matzke MA, Matzke AJ. Transcriptional silencing and promoter methylation triggered by double-stranded RNA. EMBO J. Oct 2 2000 5194-201 19
	430	YANG, D., H. LU and J. W. ERICKSON. Evidence that processed small dsRNAs may mediate
		sequence-specific mRNA degradation during RNAi in Drosophila embryos Curr Biol Oct 5 2000 1191 1200 10
	440	ANANDALAKSHMI, R., R. MARATHE, X. GE, J. M. HERR, JR., C. MAU, A. MALLORY, G. PRUSS, L. BOWMAN and V. B. VANCE. A calmodulin-related protein that suppresses posttranscriptional gene silencing in plants. Science Oct 6 2000 142-144 290
	450	FAGARD, M., S. BOUTET, J. B. MOREL, C. BELLINI and H. VAUCHERET. AGO1, QDE-2, and RDE-1 are related proteins required for post-transcriptional gene silencing in plants, quelling in fungi, and RNA interference in animals Proc Natl Acad Sci U S A Oct 10 2000 11650-11654 97
	460	PASQUINELLI, A. E., B. J. REINHART, F. SLACK, M. Q. MARTINDALE, M. I. KURODA, B. MALLER, D. C. HAYWARD, E. E. BALL, B. DEGNAN, P. MULLER, J. SPRING, A. SRINIVASAN, M. FISHMAN, J. FINNERTY, J. CORBO, M. LEVINE, P. LEAHY, E. DAVIDSON and G. RUVKUN. Conservation of the sequence and temporal expression of let-7 heterochronic regulatory RNA Nature Nov 2 2000 86-89 408
	470	LLAVE, C., K. D. KASSCHAU and J. C. CARRINGTON. Virus-encoded suppressor of posttranscriptional gene silencing targets a maintenance step in the silencing pathway Proc Natl Acad
	480	Sci U S A Nov 21 2000 13401-13406 9  COGONI, C. and G. MACINO. Post-transcriptional gene silencing across kingdoms. Curr Opin Genet
	500	Dev Dec 2000 638-643 10  ELBASHIR, S. M., W. LENDECKEL and T. TUSCHL. RNA interference is mediated by 21- and 22-
	510	nucleotide RNAs Genes Dev Jan 15 2001 188-200 15 BERNSTEIN, E., A. A. CAUDY, S. M. HAMMOND and G. J. HANNON. Role for a bidentate
	520	ribonuclease in the initiation step of RNA interference Nature Jan 18 2001 363-366 409  VAUCHERET, H. and M. FAGARD. Transcriptional gene silencing in plants: targets, inducers and
	540	regulators Trends Genet Jan 2001 29-35 17  THOMAS, C. L., L. JONES, D. C. BAULCOMBE and A. J. MAULE. Size constraints for targeting post-transcriptional gene silencing and for RNA-directed methylation in Nicotiana benthamiana using a potato virus X vector Plant J Feb 2001 417-425 25
	550	GALYAM, N., D. GRISARU, M. GRIFMAN, N. MELAMED-BOOK, F. ECKSTEIN, S. SEIDMAN, A. ELDOR and H. SOREQ. Complex host cell responses to antisense suppression of ACHE gene expression Antisense Nucleic Acid Drug Dev Feb 2001 51-57 11
	560	SHARP, P. A. RNA interference2001 Genes Dev Mar 1 2001 485-490 15
	570	MALLORY, A. C., L. ELY, T. H. SMITH, R. MARATHE, R. ANANDALAKSHMI, M. FAGARD, H. VAUCHERET, G. PRUSS, L. BOWMAN and V. B. VANCE. HC-Pro suppression of transgene silencing eliminates the small RNAs but not transgene methylation or the mobile signal Plant Cell Mar 2001 571-583 13
	590	MATZKE, M. A., A. J. MATZKE, G. J. PRUSS and V. B. VANCE. RNA-based silencing strategies in plants. Curr Opin Genet Dev. Apr. 2001 221-227 11
	600	SCHISA, J. A., J. N. PITT and J. R. PRIESS. Analysis of RNA associated with P granules in germ cells of C. elegans adults Development Apr 2001 1287-1298 128

Examiner Signature:	Date Considered:	

Art Unit 1635

Examiner SHIN, DANA H
Docket Number 050992.0300.CPUS10

Information Disclosure Statement		
		NON PATENT LITERATURE DOCUMENTS
Examiner		
Initials	Cite No	Authors, Title, Journal, Date, Year, Pages, Volume
	610	DI SERIO, F., H. SCHOB, A. IGLESIAS, C. TARINA, E. BOULDOIRES and F. MEINS, JR. Sense- and antisense-mediated gene silencing in tobacco is inhibited by the same viral suppressors and is associated with accumulation of small RNAs Proc Natl Acad Sci U S A May 22 2001 6506-6510 98
	620	ELBASHIR, S. M., J. HARBORTH, W. LENDECKEL, A. YALCIN, K. WEBER and T. TUSCHL.  Duplexes of 21-nucleotide RNAs mediate RNA interference in cultured mammalian cells Nature May 24 2001 494-498 411
	630	PICCIN, A., A. SALAMEH, C. BENNA, F. SANDRELLI, G. MAZZOTTA, M. ZORDAN, E. ROSATO, C. P. KYRIACOU and R. COSTA. Efficient and heritable functional knock-out of an adult phenotype in Drosophila using a GAL4-driven hairpin RNA incorporating a heterologous spacer Nucleic Acids Res Jun 15 2001 E55-55 29
	640	VANCE, V. and H. VAUCHERET. RNA silencing in plantsdefense and counterdefense Science Jun 22 2001 2277-2280 292
	650	ARGAMAN, L., R. HERSHBERG, J. VOGEL, G. BEJERANO, E. G. WAGNER, H. MARGALIT and S. ALTUVIA. Novel small RNA-encoding genes in the intergenic regions of Escherichia coli Curr Biol Jun 26 2001 941-950 11
	660	GRISHOK, A., A. E. PASQUINELLI, D. CONTE, N. LI, S. PARRISH, I. HA, D. L. BAILLIE, A. FIRE, G. RUVKUN and C. C. MELLO. Genes and mechanisms related to RNA interference regulate expression of the small temporal RNAs that control C. elegans developmental timing Cell Jul 13 2001 23-34 106
	670	HUTVAGNER, G., J. MCLACHLAN, A. E. PASQUINELLI, E. BALINT, T. TUSCHL and P. D. ZAMORE. A cellular function for the RNA-interference enzyme Dicer in the maturation of the let-7 small temporal RNA Science Aug 3 2001 834-838 293
	680	HAMMOND, S. M., S. BOETTCHER, A. A. CAUDY, R. KOBAYASHI and G. J. HANNON. Argonaute2, a link between genetic and biochemical analyses of RNAi Science Aug 10 2001 1146-1150 293
	700	VAUCHERET, H., C. BECLIN and M. FAGARD. Post-transcriptional gene silencing in plants J Cell Sci Sep 2001 3083-3091 114
	710	WESLEY, S. V., C. A. HELLIWELL, N. A. SMITH, M. B. WANG, D. T. ROUSE, Q. LIU, P. S. GOODING, S. P. SINGH, D. ABBOTT, P. A. STOUTJESDIJK, S. P. ROBINSON, A. P. GLEAVE, A. G. GREEN and P. M. WATERHOUSE. Construct design for efficient, effective and high-throughput gene silencing in plants Plant J Sep 2001 581-590 27
	720	MATTICK, J. S. and M. J. GAGEN. The evolution of controlled multitasked gene networks: the role of introns and other noncoding RNAs in the development of complex organisms. Mol Biol Evol. Sep. 200-1611-1630. 18
	730	CARTER, R. J., I. DUBCHAK and S. R. HOLBROOK. A computational approach to identify genes for functional RNAs in genomic sequences Nucleic Acids Res Oct 1 2001 3928-3938 29
	740	MOSS, E. G. RNA interference: it's a small RNA world Curr Biol Oct 2 2001 R772-775 11
	750	KETTING, R. F., S. E. FISCHER, E. BERNSTEIN, T. SIJEN, G. J. HANNON and R. H. PLASTERK. Dicer functions in RNA interference and in synthesis of small RNA involved in developmental timing in C. elegans Genes Dev Oct 15 2001 2654-2659 15
	760	RUVKUN, G. Molecular biology. Glimpses of a tiny RNA world Science Oct 26 2001 797-799 294
	770	LEE, R. C. and V. AMBROS. An extensive class of small RNAs in Caenorhabditis elegans Science Oct 26 2001 862-864 294
	780	LAU, N. C., L. P. LIM, E. G. WEINSTEIN and D. P. BARTEL. An abundant class of tiny RNAs with probable regulatory roles in Caenorhabditis elegans. Science Oct 26 2001 858-862 294

Examiner Signature:	Date Considered:	

Art Unit 1635

Examiner SHIN, DANA H
Docket Number 050992.0300.CPUS10

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		NON PATENT LITERATURE DOCUMENTS
Examiner		
Initials	Cite No	Authors, Title, Journal, Date, Year, Pages, Volume
II II (III II	790	LAGOS-QUINTANA, M., R. RAUHUT, W. LENDECKEL and T. TUSCHL. Identification of novel genes
	750	coding for small expressed RNAs Science Oct 26 2001 853-858 294
	820	ITAYA, A., A. FOLIMONOV, Y. MATSUDA, R. S. NELSON and B. DING. Potato spindle tuber viroid as
	020	inducer of RNA silencing in infected tomato Mol Plant Microbe Interact Nov 2001 1332-1334 14
		Inducer of the A shellering in infected total and their fall twicrobe interact. Nov. 2001, 1002-1004, 14
	830	MATTICK, J. S. Non-coding RNAs: the architects of eukaryotic complexity EMBO Rep Nov 2001
		986-991 2
	840	ELBASHIR, S. M., J. MARTINEZ, A. PATKANIOWSKA, W. LENDECKEL and T. TUSCHL. Functional
		anatomy of siRNAs for mediating efficient RNAi in Drosophila melanogaster embryo lysate Embo J De
		3 2001 6877-6888 20
	850	AMBROS, V. microRNAs: tiny regulators with great potential Cell Dec 28 2001 823-826 107
	860	BLASZCZYK, J., J. E. TROPEA, M. BUBUNENKO, K. M. ROUTZAHN, D. S. WAUGH, D. L. COURT
		and X. JI. Crystallographic and modeling studies of RNase III suggest a mechanism for double-
		stranded RNA cleavage Structure Dec 2001 1225-1236 9
	870	CRETE, P., S. LEUENBERGER, V. A. IGLESIAS, V. SUAREZ, H. SCHOB, H. HOLTORF, S. VAN
		EEDEN and F. MEINS. Graft transmission of induced and spontaneous post-transcriptional silencing of
		chitinase genes Plant J Dec 2001 493-501 28
	880	SMALLRIDGE, R. A small fortune Nat Rev Mol Cell Biol Dec 2001 867 2
	890	EDDY, S. R. Non-coding RNA genes and the modern RNA world Nat Rev Genet Dec 2001 919-929
		2
	900	LU, C. M. miRNA bead detection Genaco Biomedical Products PHS 398 2001 1
	910	MATZKE, M., A. J. MATZKE and J. M. KOOTER. RNA: guiding gene silencing 2001 1080 293
	920	GROSSHANS, H. and F. J. SLACK. Micro-RNAs: small is plentiful J Cell Biol Jan 7 2002 17-21 156
	000	MEGLIOPER E O ERR R GAZIT I RAVI OVOIVA R IVALIEER A ERIERMANI R GLIOVAN REN
	930	MESHORER, E., C. ERB, R. GAZIT, L. PAVLOVSKY, D. KAUFER, A. FRIEDMAN, D. GLICK, N. BEN-
		ARIE and H. SOREQ. Alternative splicing and neuritic mRNA translocation under long-term neuronal
	0.40	hypersensitivity Science Jan 18 2002 508-512 295
	940	PADDISON, P. J., A. A. CAUDY and G. J. HANNON. Stable suppression of gene expression by RNAi
		in mammalian cells Proc Natl Acad Sci U S A Feb 5 2002 1443-1448 99
	950	MOSS, E. G. MicroRNAs: hidden in the genome Curr Biol Feb 19 2002 R138-140 12
	960	BANERJEE, D. and F. SLACK. Control of developmental timing by small temporal RNAs: a paradigm
		for RNA-mediated regulation of gene expression Bioessays Feb 2002 119-129 24
	970	ELBASHIR, S. M., J. HARBORTH, K. WEBER and T. TUSCHL. Analysis of gene function in somatic
		mammalian cells using small interfering RNAs Methods Feb 2002 199-213 26
	980	HAN, Y. and D. GRIERSON. Relationship between small antisense RNAs and aberrant RNAs
		associated with sense transgene mediated gene silencing in tomato Plant J Feb 2002 509-519 29
	990	NICHOLSON, R. H. and A. W. NICHOLSON. Molecular characterization of a mouse cDNA encoding
		Dicer, a ribonuclease III ortholog involved in RNA interference Mamm Genome Feb 2002 67-73 13
	1000	PUERTA-FERNANDEZ, E., A. BARROSO-DELJESUS and A. BERZAL-HERRANZ. Anchoring hairpin
		ribozymes to long target RNAs by loop-loop RNA interactions. Antisense Nucleic Acid Drug Dev. Feb.
		2002 1-9 12
	1010	GIORDANO, E., R. RENDINA, I. PELUSO and M. FURIA. RNAi triggered by symmetrically transcribed
		transgenes in Drosophila melanogaster Genetics Feb 2002 637-648 160

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Art Unit 1635

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		information disclosure Statement
		NON PATENT LITERATURE DOCUMENTS
Examiner		
Initials	Cite No	Authors, Title, Journal, Date, Year, Pages, Volume
	1020	MARTENS, H., J. NOVOTNY, J. OBERSTRASS, T. L. STECK, P. POSTLETHWAIT and W. NELLEN.
		RNAi in Dictyostelium: the role of RNA-directed RNA polymerases and double-stranded RNase Mol Bio
		Cell Feb 2002 445-453 13
	1030	MOURELATOS, Z., J. DOSTIE, S. PAUSHKIN, A. SHARMA, B. CHARROUX, L. ABEL, J.
		RAPPSILBER, M. MANN and G. DREYFUSS. miRNPs: a novel class of ribonucleoproteins containing
		numerous microRNAs Genes Dev Mar 15 2002 720-728 16
	1040	SEGGERSON, K., L. TANG and E. G. MOSS. Two genetic circuits repress the Caenorhabditis elegans
		heterochronic gene lin-28 after translation initiation Dev Biol Mar 15 2002 215-225 243
	1050	MOREL, J. B., C. GODON, P. MOURRAIN, C. BECLIN, S. BOUTET, F. FEUERBACH, F. PROUX and
		H. VAUCHERET. Fertile hypomorphic ARGONAUTE (ago1) mutants impaired in post-transcriptional
		gene silencing and virus resistance Plant Cell Mar 2002 629-639 14
	1060	CATALANOTTO, C., G. AZZALIN, G. MACINO and C. COGONI. Involvement of small RNAs and role
		of the qde genes in the gene silencing pathway in Neurospora Genes Dev Apr 1 2002 790-795 16
	1070	BOUTLA, A., K. KALANTIDIS, N. TAVERNARAKIS, M. TSAGRIS and M. TABLER. Induction of RNA
		interference in Caenorhabditis elegans by RNAs derived from plants exhibiting post-transcriptional gene
		silencing Nucleic Acids Res Apr 1 2002 1688-1694 30
	1080	PASQUINELLI, A. E. and G. RUVKUN. Control of developmental timing by micrornas and their targets
		Annu Rev Cell Dev Biol Epub 2002 Apr 2. 2002 495-513 18
	1090	PADDISON, P. J., A. A. CAUDY, E. BERNSTEIN, G. J. HANNON and D. S. CONKLIN. Short hairpin
		RNAs (shRNAs) induce sequence-specific silencing in mammalian cells Genes Dev Apr 15 2002
		948-958 16
	1100	BECLIN, C., S. BOUTET, P. WATERHOUSE and H. VAUCHERET. A branched pathway for transgene
		induced RNA silencing in plants Curr Biol Apr 16 2002 684-688 12
	1110	EDDY, S. R. Computational genomics of noncoding RNA genes Cell Apr 19 2002 137-140 109
	1120	LAGOS-QUINTANA, M., R. RAUHUT, A. YALCIN, J. MEYER, W. LENDECKEL and T. TUSCHL.
		Identification of tissue-specific microRNAs from mouse Curr Biol Apr 30 2002 735-739 12
	1130	KENT, W. J. BLATthe BLAST-like alignment tool Genome Res Apr 2002 656-664 12
	1140	HUTVAGNER, G. and P. D. ZAMORE. RNAi: nature abhors a double-strand Curr Opin Genet Dev
		Apr 2002 225-232 12
	1150	NILSSON, M., J. BANER, M. MENDEL-HARTVIG, F. DAHL, D. O. ANTSON, M. GULLBERG and U.
		LANDEGREN. Making ends meet in genetic analysis using padlock probes Hum Mutat Apr 2002
		410-415 19
	1160	PASQUINELLI, A. E. MicroRNAs: deviants no longer Trends Genet Apr 2002 171-173 18
	1170	LAI, E. C. Micro RNAs are complementary to 3' UTR sequence motifs that mediate negative post-
		transcriptional regulation Nat Genet Apr 2002 363-364 30
	1180	SCHWARZ, D. S. and P. D. ZAMORE. Why do miRNAs live in the miRNP? Genes Dev May 1 2002
		1025-1031 16
	1190	BRANTL, S. Antisense-RNA regulation and RNA interference Biochim Biophys Acta May 3 2002 15
		25 1575
	1200	LI, H., W. X. LI and S. W. DING. Induction and suppression of RNA silencing by an animal virus
		Science May 17 2002 1319-1321 296
	1210	ZAMORE, P. D. Ancient pathways programmed by small RNAs Science May 17 2002 1265-1269
		[296]

Examiner Signature:	Date Considered:

Art Unit 1635

Examiner SHIN, DANA H
Docket Number 050992.0300.CPUS10

and L. B. BLYN. A genome  A and J. ROSSI.  an cells Nat  data Drug Discov  and J. BURGYAN. A cleotide double-  CH and G. BORKOW.
and J. ROSSI.  an cells Nat  data Drug Discov  and J. BURGYAN. A cleotide double-  CH and G. BORKOW.
A and J. ROSSI.  an cells Nat  data Drug Discov  and J. BURGYAN. A cleotide double-  CH and G. BORKOW  with a dominant Th2
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Art Unit 1635

Examiner SHIN, DANA H

Docket Number 050992.0300.CPUS10

		information disclosure Statement
		NON PATENT LITERATURE DOCUMENTS
Examiner		
Initials	Cite No	Authors, Title, Journal, Date, Year, Pages, Volume
	1410	POMERANTZ, R. J. RNA interference meets HIV-1: will silence be golden? Nat Med Jul 2002 659-
		660 8
	1420	ZENG, Y. and B. R. CULLEN. RNA interference in human cells is restricted to the cytoplasm Rna Jul
		2002 855-860 8
	1430	XIANG, C. C., O. A. KOZHICH, M. CHEN, J. M. INMAN, Q. N. PHAN, Y. CHEN and M. J.
		BROWNSTEIN. Amine-modified random primers to label probes for DNA microarrays Nat Biotechnol
		Jul 2002 738-742 20
	1440	LLAVE, C., K. D. KASSCHAU, M. A. RECTOR and J. C. CARRINGTON. Endogenous and silencing-
		associated small RNAs in plants Plant Cell Jul 2002 1605-1619 14
	1450	RHOADES, M. W., B. J. REINHART, L. P. LIM, C. B. BURGE, B. BARTEL and D. P. BARTEL.
		Prediction of plant microRNA targets Cell Aug 23 2002 513-520 110
	1460	HIPFNER, D. R., K. WEIGMANN and S. M. COHEN. The bantam gene regulates Drosophila growth
		Genetics Aug 2002 1527-1537 161
	1470	LIU, Q., S. P. SINGH and A. G. GREEN. High-stearic and High-oleic cottonseed oils produced by
		hairpin RNA-mediated post-transcriptional gene silencing Plant Physiol Aug 2002 1732-1743 129
	1480	STOUTJESDIJK, P. A., S. P. SINGH, Q. LIU, C. J. HURLSTONE, P. A. WATERHOUSE and A. G.
		GREEN. hpRNA-mediated targeting of the Arabidopsis FAD2 gene gives highly efficient and stable
	4.400	silencing Plant Physiol Aug 2002 1723-1731 129
	1490	SUZUMA, S., S. ASARI, K. BUNAI, K. YOSHINO, Y. ANDO, H. KAKESHITA, M. FUJITA, K.
		NAKAMURA and K. YAMANE. Identification and characterization of novel small RNAs in the aspS-yrvM
		intergenic region of the Bacillus subtilis genome Microbiology Aug 2002 2591-2598 148
	1500	MILLIGAN, L., T. FORNE, E. ANTOINE, M. WEBER, B. HEMONNOT, L. DANDOLO, C. BRUNEL and
	1500	
		G. CATHALA. Turnover of primary transcripts is a major step in the regulation of mouse H19 gene
	1510	expression EMBO Rep Aug 2002 774-779 3 HAMILTON, A., O. VOINNET, L. CHAPPELL and D. BAULCOMBE. Two classes of short interfering
	1510	RNA in RNA silencing Embo J Sep 2 2002 4671-4679 21
	1520	LEE, Y., K. JEON, J. T. LEE, S. KIM and V. N. KIM. MicroRNA maturation: stepwise processing and
	1320	subcellular localization Embo J Sep 2 2002 4663-4670 21
	1530	KLAHRE, U., P. CRETE, S. A. LEUENBERGER, V. A. IGLESIAS and F. MEINS, JR. High molecular
	1000	weight RNAs and small interfering RNAs induce systemic posttranscriptional gene silencing in plants
		Proc Natl Acad Sci U S A Sep 3 2002 11981-11986 99
	1540	PARK, W., J. LI, R. SONG, J. MESSING and X. CHEN. CARPEL FACTORY, a Dicer homolog, and
		HEN1, a novel protein, act in microRNA metabolism in Arabidopsis thaliana Curr Biol Sep 3 2002
		1484-1495 12
	1550	JIANG, M. and J. MILNER. Selective silencing of viral gene expression in HPV-positive human cervical
	_	carcinoma cells treated with siRNA, a primer of RNA interference Oncogene Sep 5 2002 6041-6048
		21
	1560	MARTINEZ, J., A. PATKANIOWSKA, H. URLAUB, R. LUHRMANN and T. TUSCHL. Single-stranded
		antisense siRNAs guide target RNA cleavage in RNAi Cell Sep 6 2002 563-574 110
	1570	ALLSHIRE, R. Molecular biology. RNAi and heterochromatina hushed-up affair Science Sep 13
		2002 1818-1819 297
	1580	REINHART, B. J. and D. P. BARTEL. Small RNAs correspond to centromere heterochromatic repeats
		Science Sep 13 2002 1831 297
	1590	VOLPE, T. A., C. KIDNER, I. M. HALL, G. TENG, S. I. GREWAL and R. A. MARTIENSSEN. Regulation
		of heterochromatic silencing and histone H3 lysine-9 methylation by RNAi Science Sep 13 2002
		1833-1837 297
	minor Siana	ture: Date Considered:

Examiner Signature:	Date Considered:	

1750

1760

1770

2002 2829-2842 16

Art Unit 1635

Examiner SHIN, DANA H
Docket Number 050992.0300.CPUS10

Information Disclosure Statement

#### NON PATENT LITERATURE DOCUMENTS Examiner Initials Cite No Authors, Title, Journal, Date, Year, Pages, Volume 1600 BAULCOMBE, D. DNA events. An RNA microcosm Science Sep 20 2002 2002-2003 297 1610 LLAVE, C., Z. XIE, K. D. KASSCHAU and J. C. CARRINGTON. Cleavage of Scarecrow-like mRNA targets directed by a class of Arabidopsis miRNA Science Sep 20 2002 2053-2056 297 1620 MOCHIZUKI, K., N. A. FINE, T. FUJISAWA and M. A. GOROVSKY. Analysis of a piwi-related gene implicates small RNAs in genome rearrangement in tetrahymena Cell Sep 20 2002 689-699 110 HUTVAGNER, G. and P. D. ZAMORE. A microRNA in a multiple-turnover RNAi enzyme complex 1630 Science Sep 20 2002 2056-2060 297 1640 COBURN, G. A. and B. R. CULLEN. Potent and specific inhibition of human immunodeficiency virus type 1 replication by RNA interference J Virol Sep 2002 9225-9231 76 1650 CAUDY, A. A., M. MYERS, G. J. HANNON and S. M. HAMMOND. Fragile X-related protein and VIG associate with the RNA interference machinery Genes Dev Oct 1 2002 2491-2496 16 1660 ISHIZUKA, A., M. C. SIOMI and H. SIOMI. A Drosophila fragile X protein interacts with components of RNAi and ribosomal proteins Genes Dev Oct 1 2002 2497-2508 16 VOINNET, O. RNA silencing: small RNAs as ubiquitous regulators of gene expression. Curr Opin Plant 1670 Biol Oct 2002 444-451 5 1680 GOLDEN, T. A., S. E. SCHAUER, J. D. LANG, S. PIEN, A. R. MUSHEGIAN, U. GROSSNIKLAUS, D. W. MEINKE and A. RAY. SHORT INTEGUMENTS1/SUSPENSOR1/CARPEL FACTORY, a Dicer homolog, is a maternal effect gene required for embryo development in Arabidopsis Plant Physiol Oct 2002 808-822 130 1690 MERKLE, I., M. J. VAN OOIJ, F. J. VAN KUPPEVELD, D. H. GLAUDEMANS, J. M. GALAMA, A. HENKE, R. ZELL and W. J. MELCHERS. Biological significance of a human enterovirus B-specific RNA element in the 3' nontranslated region J Virol Oct 2002 9900-9909 76 1700 FROEYEN, M. and P. HERDEWIJN. RNA as a target for drug design, the example of Tat-TAR interaction Curr Top Med Chem Oct 2002 1123-1145 2 CARMELL, M. A., Z. XUAN, M. Q. ZHANG and G. J. HANNON. The Argonaute family: tentacles that 1710 reach into RNAi, developmental control, stem cell maintenance, and tumorigenesis Genes Dev Nov 1 2002 2733-2742 16 PROVOST, P., D. DISHART, J. DOUCET, D. FRENDEWEY, B. SAMUELSSON and O. RADMARK. 1720 Ribonuclease activity and RNA binding of recombinant human Dicer Embo J Nov 1 2002 5864-5874 ZHANG, H., F. A. KOLB, V. BRONDANI, E. BILLY and W. FILIPOWICZ. Human Dicer preferentially 1730 cleaves dsRNAs at their termini without a requirement for ATP Embo J Nov 1 2002 5875-5885 21 1740 MALLORY, A. C., B. J. REINHART, D. BARTEL, V. B. VANCE and L. H. BOWMAN. A viral suppressor

		enhancer factor 2A in activity-dependent neuronal survival 277	J Biol Chem	Nov 29	2002	46442-464	46
Exan	niner Signatı	ure: Date Consid	dered:				

lymphocytic leukemia Proc Natl Acad Sci U S A Nov 26 2002 15524-15529 99

tobacco Proc Natl Acad Sci U S A Nov 12 2002 15228-15233 99

of RNA silencing differentially regulates the accumulation of short interfering RNAs and micro-RNAs in

GOTTESMAN, S. Stealth regulation: biological circuits with small RNA switches Genes Dev Nov 15

CALIN, G. A., C. D. DUMITRU, M. SHIMIZU, R. BICHI, S. ZUPO, E. NOCH, H. ALDLER, S. RATTAN,

M. KEATING, K. RAI, L. RASSENTI, T. KIPPS, M. NEGRINI, F. BULLRICH and C. M. CROCE. Frequent deletions and down-regulation of micro- RNA genes miR15 and miR16 at 13q14 in chronic

GAUDILLIERE, B., Y. SHI and A. BONNI. RNA interference reveals a requirement for myocyte

Art Unit 1635

Examiner SHIN, DANA H
Docket Number 050992.0300.CPUS10

		Information Disclosure Statement
		NON PATENT LITERATURE DOCUMENTS
Examiner		
Initials	Cite No	Authors, Title, Journal, Date, Year, Pages, Volume
	1780	JONES, L. Revealing micro-RNAs in plants Trends Plant Sci Nov 2002 473-475 7
	1790	SCHAUER, S. E., S. E. JACOBSEN, D. W. MEINKE and A. RAY. DICER-LIKE1: blind men and
		elephants in Arabidopsis development Trends Plant Sci Nov 2002 487-491 7
	1800	OKAZAKI, Y., M. FURUNO, T. KASUKAWA, J. ADACHI, H. BONO, S. KONDO, et al. Analysis of the
		mouse transcriptome based on functional annotation of 60,770 full-length cDNAs Nature Dec 5 2002
		563-573 420
	1810	DENNIS, C. Small RNAs: the genome's guiding hand? Nature Dec 19-26 2002 732 420
	1820	UCHIDA, N., S. HOSHINO, H. IMATAKA, N. SONENBERG and T. KATADA. A novel role of the
	.020	mammalian GSPT/eRF3 associating with poly(A)-binding protein in Cap/Poly(A)-dependent translation
		J Biol Chem Dec 27 2002 50286-50292 277
	1830	HUTTENHOFER, A., J. BROSIUS and J. P. BACHELLERIE. RNomics: identification and function of
	1000	small, non-messenger RNAs Curr Opin Chem Biol Dec 2002 835-843 6
	1840	WOOD, N. T. Unravelling the molecular basis of viral suppression of PTGS Trends Plant Sci 2002
	1040	384 7
	1850	COHEN, O., C. ERB, D. GINZBERG, Y. POLLAK, S. SEIDMAN, S. SHOHAM, R. YIRMIYA and H.
		SOREQ. Neuronal overexpression of "readthrough" acetylcholinesterase is associated with antisense-
		suppressible behavioral impairments Mol Psychiatry ***No date in pubmed*** 2002 874-885 7
	1860	MLOTSHWA, S., O. VOINNET, M. F. METTE, M. MATZKE, H. VAUCHERET, S. W. DING, G. PRUSS
		and V. B. VANCE. RNA silencing and the mobile silencing signal Plant Cell ***No date in pubmed***
		2002 S289-301 14 Suppl
	1870	TANG, G., B. J. REINHART, D. P. BARTEL and P. D. ZAMORE. A biochemical framework for RNA
		silencing in plants Genes Dev Jan 1 2003 49-63 17
	1880	KAWASAKI, H. and K. TAIRA. Short hairpin type of dsRNAs that are controlled by tRNA(Val) promoter
		significantly induce RNAi-mediated gene silencing in the cytoplasm of human cells Nucleic Acids Res
		Jan 15 2003 700-707 31
	1890	ASHRAFI, K., F. Y. CHANG, J. L. WATTS, A. G. FRASER, R. S. KAMATH, J. AHRINGER and G.
		RUVKUN. Genome-wide RNAi analysis of Caenorhabditis elegans fat regulatory genes Nature Jan 16
		2003 268-272 421
	1900	KAMATH, R. S., A. G. FRASER, Y. DONG, G. POULIN, R. DURBIN, M. GOTTA, A. KANAPIN, N. LE
		BOT, S. MORENO, M. SOHRMANN, D. P. WELCHMAN, P. ZIPPERLEN and J. AHRINGER.
		Systematic functional analysis of the Caenorhabditis elegans genome using RNAi Nature Jan 16
		2003 231-237 421
	1910	TUSCHL, T. Functional genomics: RNA sets the standard Nature Jan 16 2003 220-221 421
	1920	IYER, L. M., E. V. KOONIN and L. ARAVIND. Evolutionary connection between the catalytic subunits of
	· <del>-</del>	DNA-dependent RNA polymerases and eukaryotic RNA-dependent RNA polymerases and the origin of
		RNA polymerases BMC Struct Biol Jan 28 2003 1 3
	1930	SHI, Y. Mammalian RNAi for the masses Trends Genet Jan 2003 9-12 19
	1940	CERUTTI, H. RNA interference: traveling in the cell and gaining functions? Trends Genet Jan 2003
		39-46 19
	1950	ZENG, Y. and B. R. CULLEN. Sequence requirements for micro RNA processing and function in
		human cells Rna Jan 2003 112-123 9
	1960	KAWASAKI, H., E. SUYAMA, M. IYO and K. TAIRA. siRNAs generated by recombinant human Dicer
		induce specific and significant but target site-independent gene silencing in human cells Nucleic Acids
		Res Feb 1 2003 981-987 31
	1970	REINER, A., D. YEKUTIELI and Y. BENJAMINI. Identifying differentially expressed genes using false
		discovery rate controlling procedures Bioinformatics Feb 12 2003 368-375 19

Examiner Signature:	Date Considered:

Art Unit 1635

Examiner SHIN, DANA H
Docket Number 050992.0300.CPUS10

		information disclosure Statement
		NON PATENT LITERATURE DOCUMENTS
Examiner		
Initials	Cite No	Authors, Title, Journal, Date, Year, Pages, Volume
	1980	DOENCH, J. G., C. P. PETERSEN and P. A. SHARP. siRNAs can function as miRNAs. Genes Dev
		Feb 15 2003 438-442 17
	1990	GUPTA, V., A. CHERKASSKY, P. CHATIS, R. JOSEPH, A. L. JOHNSON, J. BROADBENT, T.
		ERICKSON and J. DIMEO. Directly labeled mRNA produces highly precise and unbiased differential
		gene expression data Nucleic Acids Res Feb 15 2003 e13 31
	2000	BOFFELLI, D., J. MCAULIFFE, D. OVCHARENKO, K. D. LEWIS, I. OVCHARENKO, L. PACHTER and
		E. M. RUBIN. Phylogenetic shadowing of primate sequences to find functional regions of the human
		genome Science Feb 28 2003 1391-1394 299
	2010	KASSCHAU, K. D., Z. XIE, E. ALLEN, C. LLAVE, E. J. CHAPMAN, K. A. KRIZAN and J. C.
		CARRINGTON. P1/HC-Pro, a viral suppressor of RNA silencing, interferes with Arabidopsis
		development and miRNA unction Dev Cell Feb 2003 205-217 4
	2020	CARMELL, M. A., L. ZHANG, D. S. CONKLIN, G. J. HANNON and T. A. ROSENQUIST. Germline
		transmission of RNAi in mice Nat Struct Biol Feb 2003 91-92 10
	2030	DOSTIE, J., Z. MOURELATOS, M. YANG, A. SHARMA and G. DREYFUSS. Numerous microRNPs in
		neuronal cells containing novel microRNAs Rna Feb 2003 180-186 9
	2040	LAGOS-QUINTANA, M., R. RAUHUT, J. MEYER, A. BORKHARDT and T. TUSCHL. New microRNAs
		from mouse and human Rna Feb 2003 175-179 9
	2050	WILSON, J. A., S. JAYASENA, A. KHVOROVA, S. SABATINOS, I. G. RODRIGUE-GERVAIS, S. ARYA
		F. SARANGI, M. HARRIS-BRANDTS, S. BEAULIEU and C. D. RICHARDSON. RNA interference
		blocks gene expression and RNA synthesis from hepatitis C replicons propagated in human liver cells
		Proc Natl Acad Sci U S A Mar 4 2003 2783-2788 100
	2060	LIM, L. P., M. E. GLASNER, S. YEKTA, C. B. BURGE and D. P. BARTEL. Vertebrate microRNA genes
		Science Mar 7 2003 1540 299
	2070	MANIATAKI, E., A. E. MARTINEZ DE ALBA, R. SAGESSER, M. TABLER and M. TSAGRIS. Viroid
		RNA systemic spread may depend on the interaction of a 71-nucleotide bulged hairpin with the host
		protein VirP1 Rna Mar 2003 346-354 9
	2080	AMBROS, V., B. BARTEL, D. P. BARTEL, C. B. BURGE, J. C. CARRINGTON, X. CHEN, G.
		DREYFUSS, S. R. EDDY, S. GRIFFITHS-JONES, M. MARSHALL, M. MATZKE, G. RUVKUN and T.
		TUSCHL. A uniform system for microRNA annotation Rna Mar 2003 277-279 9
	2090	FINDLEY, S. D., M. TAMANAHA, N. J. CLEGG and H. RUOHOLA-BAKER. Maelstrom, a Drosophila
		spindle-class gene, encodes a protein that colocalizes with Vasa and RDE1/AGO1 homolog, Aubergine
		in nuage Development Mar 2003 859-871 130
	2930	KONFORTI, B. The news and you Nat Struct Biol 2003 147 10
	2940	STEIN, T. D. and J. A. JOHNSON. Genetic programming by the proteolytic fragments of the amyloid
l		precursor protein: somewhere between confusion and clarity Rev Neurosci ***no date in pubmed***
		2003 317-341 14
	2950	SZYMANSKI, M., M. Z. BARCISZEWSKA, M. ZYWICKI and J. BARCISZEWSKI. Noncoding RNA
l		transcripts J Appl Genet ***NO DATEIN PUBMED*** 2003 1-19 44

Examiner Signature:	Date Considered:
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